METHOD AND APPARATUS FOR GENERATING A MEDIA CAPTURE REQUEST USING CAMERA POSE INFORMATION

BACKGROUND

[0001] As the quality and resolution of cameras integrated on mobile communication devices are improving, many users are relying on the mobile communication devices as a primary means for taking pictures and/or videos. With such increasing use of the mobile communication devices for media related activity, image browsing has also become a common trend among the users of the mobile communication devices. During image browsing a user may view a scene from different angles and may want to have an image of the scene from the preferred angle. However, it is challenging for the user to have the exact image either because the user is not physically present at the prescribed location or it is hard for the user to request for a precise image capture in a verbal or a non-verbal manner. Further, it is demanding to describe the exact camera position without using the global camera pose and it is rather difficult for the other user capturing the image to follow the requirements for taking the exact image that conforms to the specification of the requester. Accordingly, service providers and device manufacturers (e.g., wireless, cellular, etc.) face significant technical challenges in providing a service that generates a request for capturing at least one media item based on the camera pose information preferred by at least one user.

SOME EXAMPLE EMBODIMENTS

[0002] Therefore, there is a need for an approach for causing an extraction of camera pose information associated with the at least one preview image to further cause a generation of at least one request to capture at least one media item based, at least in part, on the requested camera pose information.

[0003] According to one embodiment, a method comprises processing and/or facilitating a processing of at least one preview image presented at at least one device to cause, at least in part, an extraction of camera pose information associated with the at least one preview image. The method also comprises determining one or more movement interactions of the at least one device relative to the camera pose information to cause, at least in part, a specification of requested camera pose information. The method further comprises causing, at least in part, a generation of at least one request to capture at least one media item based, at least in part, on the requested camera pose information.

[0004] According to another embodiment, an apparatus comprises at least one processor, and at least one memory including computer program code for one or more computer programs, the at least one memory and the computer program code configured to, with the at least one processor, cause, at least in part, the apparatus to process and/or facilitate a processing of at least one preview image presented at at least one device to cause, at least in part, an extraction of camera pose information associated with the at least one preview image. The apparatus is also caused to determine one or more movement interactions of the at least one device relative to the camera pose information to cause, at least in part, a specification of requested camera pose information. The apparatus is further caused to cause, at least in part, a generation of at least one request to capture at least one media item based, at least in part, on the requested camera pose information.

[0005] According to another embodiment, a computer-readable storage medium carries one or more sequences of one or more instructions which, when executed by one or more processors, cause, at least in part, an apparatus to process and/or facilitate a processing of at least one preview image presented at at least one device to cause, at least in part, an extraction of camera pose information associated with the at least one preview image. The apparatus is also caused to determine one or more movement interactions of the at least one device relative to the camera pose information to cause, at least in part, a specification of requested camera pose information. The apparatus is further caused to cause, at least in part, a generation of at least one request to capture at least one media item based, at least in part, on the requested camera pose information.

[0006] According to another embodiment, an apparatus comprises means for processing and/or facilitating a processing of at least one preview image presented at at least one device to cause, at least in part, an extraction of camera pose information associated with the at least one preview image. The apparatus also comprises means for determining one or more movement interactions of the at least one device relative to the camera pose information to cause, at least in part, a specification of requested camera pose information. The apparatus further comprises means for causing, at least in part, a generation of at least one request to capture at least one media item based, at least in part, on the requested camera pose information.

[0007] In addition, for various example embodiments of the invention, the following is applicable: a method comprising facilitating a processing of and/or processing (1) data and/or (2) information and/or (3) at least one signal, the (1) data and/or (2) information and/or (3) at least one signal based, at least in part, on (or derived at least in part from) any one or any combination of methods (or processes) disclosed in this application as relevant to any embodiment of the invention.

[0008] For various example embodiments of the invention, the following is also applicable: a method comprising facilitating access to at least one interface configured to allow access to at least one service, the at least one service configured to perform any one or any combination of network or service provider methods (or processes) disclosed in this application.

[0009] For various example embodiments of the invention, the following is also applicable: a method comprising facilitating creating and/or facilitating modifying (1) at least one device user interface element and/or (2) at least one device user interface functionality, the (1) at least one device user interface element and/or (2) at least one device user interface functionality based, at least in part, on data and/or information resulting from one or any combination of methods or processes disclosed in this application as relevant to any embodiment of the invention, and/or at least one signal resulting from one or any combination of methods (or processes) disclosed in this application as relevant to any embodiment of the invention.

[0010] For various example embodiments of the invention, the following is also applicable: a method comprising creating and/or modifying (1) at least one device user interface element and/or (2) at least one device user interface functionality, the (1) at least one device user interface element and/or (2) at least one device user interface functionality based at